

Karnal Bunt Survey Work Plan - Calendar Year 2010

Cooperator:	Kansas Department of Agriculture		
State:	Kansas		
Project:	Karnal Bunt		
Project funding source:	Priority Survey <input type="checkbox"/> State Discretionary Survey <input type="checkbox"/> Other Line Item Pest <input checked="" type="checkbox"/>		
Project Coordinator:	Laurinda Ramonda		
Agreement Number	10-8453-1227-CA		
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This Work Plan reflects a cooperative relationship between the Kansas Department of Agriculture (KDA) and the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ). It outlines the mission-related goals, objectives, and anticipated accomplishments as well as the approach for conducting a Karnal Bunt survey and control program and the related roles and responsibilities of the Kansas Department of Agriculture and USDA-APHIS-PPQ as negotiated.

I) OBJECTIVES AND NEED FOR ASSISTANCE

The objective of this project is to ensure the ability to export Kansas wheat to foreign customers by collecting Kansas wheat grain samples as part of the National Karnal Bunt Survey (*Tilletia indica*). This survey will also provide information to the NAPIS data base and provide pest freedom assurance to our customers.

This is a national survey and benefits the nation in the exportation of wheat. Kansas cannot support the majority of the cost of this project as we have done in the past because of budget cuts. This survey cannot be implemented without the funds provided by USDA-APHIS-PPQ at the level we are anticipating.

II) RESULTS OR BENEFITS EXPECTED

The Cooperator seeks to conduct a program which is expected to result in:

- The ability to continue to export Kansas grown wheat for the success of the states' wheat industry.

- Provide survey data for Karnal Bunt in Kansas keeping the markets open to Kansas wheat producers.
- Keep Karnal Bunt from becoming established in Kansas.
- Provide early detection and a rapid response for the most cost effective means to protect the vital wheat industry.
- Provide additional geographic assessment from data gathered.

III) APPROACH

What is the plan of action or approach to the work?

Kansas will take 372 samples using national survey protocols. Samples will be forwarded to USDA-APHIS-PPQ in Olney, Texas for processing and analysis. Sampling will be done by the Kansas Department of Agriculture. Sampling will begin at the onset of harvest and be completed within three weeks after harvests end. Costs are explained in the attached budget.

A. The Cooperator and APHIS Mutually Agree to/that:

- Maintain a State Cooperative Agricultural Pest Survey (CAPS) Committee that will meet at least once a year for input on surveys and how to improve the CAPS program and surveys.
- Work together in carrying out field surveys, trapping, identification and data collection on pests, diseases or weeds that may pose an immediate risk to the agriculture of Kansas or the United States.
- Utilize Cooperator and APHIS program funding, as outlined in the Financial Plan, within the authorized parameters to support survey, detection and CAPS objectives.

1. What is the quantitative projection of accomplishments to be achieved?

- **Anticipated accomplishments:**

1. Survey data on pests will be entered into the state survey database and NAPIS database when pest identification is confirmed.
2. All data will be entered into the state survey database and NAPIS when it becomes available.
3. Presence or absence of Karnal Bunt will be identified.

- **Criteria to evaluate the results and successes of the project:**

1. All data collected and entered into the state survey database and NAPIS database.
2. State CAPS and KDA meetings to keep updated on issues.

- c. **Methodology used to determine if identified needs are met and results and benefits are achieved:**

1. Review of the state survey database and NAPIS database to ensure that data from the pest detection activities have been entered.
2. State CAPS, KDA and SPHD, SPRO, PSS, SSC meetings to keep updated on issues.

2. Types of data to be collected and how it will be maintained:

- a. All survey data from cooperative agreements involving pest surveys will be entered by the State Survey Coordinator or KDA staff into the state survey database and NAPIS database to include but not limited to observation number, observation date, data source, state/county, site code, pest code, pest status, and survey method.
- b. Complete, accurate, and timely pest survey data will be entered into NAPIS using approved protocol. The data entry requirements are:
 - Enter new national, state, and county records into NAPIS database within 48 hours of confirmation of a pest or pathogen identification by a recognized identifier.
 - Non-time sensitive records, including negative data, must be entered into NAPIS within 2 weeks of confirmation.
 - Negative data should be entered within 2 weeks of obtaining the results from an identifier, or performing a laboratory assay.

B. The Cooperator will:

- Sample using national survey protocols.
- Sample using KDA staff.
- Send samples to USDA-APHIS-PPQ Olney, Texas laboratory to be analyzed.
- Begin sampling at onset of harvest and complete sampling by three weeks after harvest ends.

1. By function, what work is to be accomplished?

- Sample using national survey protocols.
- Send samples to USDA-APHIS-PPQ Olney, Texas laboratory to be analyzed.
- Survey data on pests will be entered into the state survey data base and NAPIS database when pest identification is confirmed.
- All data will be entered into the state survey database and NAPIS when it becomes available.

2. What resources are required to perform the work?

- KDA staff to take 372 samples during wheat harvest all over Kansas.
- Rental or state vehicles are required to acquire samples at grain cooperatives.
- Sample bottles, paper bags, boxes, cups and office supplies are required for sampling.
- Provide office space with associated services and utilities, computers and other office equipment for the use of Cooperator personnel. These include

digital camera, GPS unit and computer with internet service. Computers will be used for entering survey data into the state survey database and NAPIS database.

3. **Personnel needed and duties:**
 - KDA staff will collect wheat samples from grain elevators.
4. **What equipment will be needed to perform the work?** Include major items of equipment with a value of \$5,000 or more.
 - a. **What equipment will be provided by the cooperator?** N/A
 - b. **What equipment will be provided by APHIS?** N/A
 - c. **What equipment will be purchased in whole or in part with APHIS funds?** N/A
 - d. **How will the equipment be used?** N/A
 - e. **What is the proposed method of disposition of the equipment upon termination of the agreement/project?** N/A
5. **Identify information technology equipment, e.g., computers, and their ancillary components.**
 - Provided by KDA, office space with associated services and utilities, computers and other office equipment for the use of Cooperator personnel. These include digital camera, GPS unit, PDA and computer with internet service. PDA's and GPS units are provided through Infrastructure.
6. **What supplies will be needed to perform the work?**
 - a. **What supplies will be provided by the Cooperator?**
N/A
 - b. **What supplies will be provided by APHIS?**
N/A
 - c. **What supplies will be purchased in whole or in part with APHIS funds?**
Sample bottles, paper bags, shipping boxes, cups and office supplies used for sampling.
 - d. **How will the supplies be used?**
Taking samples and shipping samples.
 - e. **What is the proposed method of disposition of the supplies with an accumulative value over \$5,000 upon termination of the agreement/project?** N/A
7. **What procurements will be made in support of the funded project and what is the method of procurement (e.g., lease, purchase)?**
 - The Fiscal Department at the Kansas Department of Agriculture will provide most contracts.
 - Most procurements will be made by purchase.

8. Travel needs for project:

- Travel will be required to survey sites by use of a KDA or rental vehicle. The KDA Plant Protection and Weed Control Plant Program Manager is the approving official. Costs are included in the financial plan.
- Lodging may be required for longer distance sampling. The KDA Plant Protection and Weed Control Plant Program Manager is the approving official. Costs are included in the financial plan.

9. Reports:

- a. All reports are submitted to the APHIS Authorized Department Officer's Designated Representative (ADODR). Reports include:
1. Narrative accomplishment reports in the frequency and time frame specified in the Notice of Award, Article 4.
 2. Financial Status Reports, SF-269, in the frequency and time frame specified in the Notice of Award, Article 4.

10. Contributing parties working on the project:

- a. **List Participating Agency/Institution:**
KDA, Wheat Commission, Kansas Agriculture Retailers Association, Coop Council, USDA Olney Lab.
- b. **List all who will work on the project:**
KDA staff and USDA-APHIS-PPQ.
- c. **Describe the nature of their effort:**
Sampling and pest identification.
- d. **Contribution:**
Sampling and pest identification.

C. APHIS Will:

- Provide any new information that becomes available on Karnal Bunt and review data.
- Provide funds to the Cooperator to cover costs outlined in the Financial Plan.
- Make identification at Olney Texas Lab.

1. What equipment will be needed to perform the work? Include major items of equipment with a value of \$5,000 or more.

a. Will Equipment be loaned or provided by APHIS? ☐ Yes ☒ No (If

Yes, please list:

b. How will the equipment be used? N/A

IV) GEOGRAPHIC LOCATION OF PROJECT

A. Is the project statewide or in specific counties, townships, and/or national or state parks?

This project is statewide and counties sampled are determined by bushels of wheat harvested.

B. What type of terrain (e.g., cropland, rangeland, woodland) will be involved in the project?

County grain cooperatives and storage facilities.

C. Are there any unusual features which may have an impact on the project or activity such as rivers, lakes, wild life sanctuaries, commercial beekeepers etc? (list all that apply)

Weather conditions and cooperation of grain cooperators to acquire wheat samples.

D. Identify the kind of data to be collected:

The kinds of data to be collected will include, but not limited to, observation number, observation date, data source, state/county, site code, pest code, pest status and survey method.

E. Establish criteria to evaluate the results and successes of the project:

- All data collected from the pest detection survey is entered into the state survey database and NAPIS database.
- State CAPS, KDA and SPHD, SPRO, PSS, SSC meetings to keep updated on issues.

F. Methodology used to determine if the results and benefits are achieved:

- Review of the state survey database and NAPIS database to ensure that data from the pest detection activities have been entered.
- State CAPS, KDA and SPHD, SPRO, PSS, SSC meetings to keep updated on issues.

V) DATA COLLECTION AND MAINTENANCE

1. All survey data from cooperative agreements involving pest surveys will be entered by the State Survey Coordinator or KDA staff into the state survey database and NAPIS database to include but not limited to observation number, observation date, data source, state/county, site code, pest code, pest status, and survey method.

2. Complete, accurate, and timely pest survey data will be entered into NAPIS using approved protocol. The data entry requirements are:

- Enter new national, state, and county records into NAPIS database within 48 hours of confirmation of a pest or pathogen identification by a recognized identifier.
- Non-time sensitive records, including negative data, must be entered into NAPIS within 2 weeks of confirmation.
- Negative data should be entered within 2 weeks of decommissioning a trap, obtaining the results from an identifier, or performing a laboratory assay.

- Survey data will be collected with GPS technology for internal pathway analyses. Survey maps will be developed from approved GIS mapping software.

VI) TAXONOMIC SUPPORT

All samples will be analyzed by the USDA lab at Olney, Texas for (*Tilletia indica*). Three hundred seventy-two samples are planned at harvest.

Target Species	Survey Dates (Starting-Ending)	Number of Sites	Number of Traps/Visual surveys	Number of visits	Potential Number of Collections
<i>Tilletia indica</i>	Onset of wheat harvest to 3 weeks after harvests end	372	1	1	372

VII) SIGNATURES

ROAR

Date

ADODR

Date

Detailed Financial Plan

PROJECT: Karnal Bunt

COOPERATOR NAME: Kansas Department of Agriculture

AGREEMENT NUMBER: 10-8453-1227-CA

TIME PERIOD: January 1, 2010-December 31, 2010

Financial Plan must match the SF-424A, Section B, Budget Categories

ITEM	APHIS FUNDS	COOPERATOR FUNDS (Show even if zero)	TOTAL
PERSONNEL:			
KDA staff 300 hours @ \$35/hr	\$5,250	\$5,250	\$10,500
Subtotal	\$5,250	\$5,250	\$10,500
FRINGE BENEFITS:			
22% of salary of permanent employees	\$1,155	\$1,155	\$2,310
Subtotal	\$1,155	\$1,155	\$2,310
TRAVEL:			
Lodging 12 nights @ \$85/night	\$510	\$510	\$1,020
KDA staff 1,855 miles @\$0.55/mile-for KDA staff who use personal vehicles during survey	\$1,020	0	\$1,020
48 quarters of per diem for lodging @ \$9.50/quarter	\$228	\$228	\$456
Vehicle rental 5 weeks @ \$300/week- pickup truck for KDA staff not using personal vehicles (shortage in state vehicles)	\$1,500	0	\$1,500
Subtotal	\$3,258	\$738	\$3,996
EQUIPMENT:	0	0	0
Subtotal	0	0	0
SUPPLIES:			
Boxes, sample bottles, plastic bags, paper bags, cups, office supplies	\$1,200	0	\$1,200
Fuel 8,250 miles/15mpg x \$4.00 per gallon- for rental vehicles	\$2,200	0	\$2,200
Subtotal	\$3,400	0	\$3,400
CONTRACTUAL:	0	0	0
Subtotal	0	0	0
OTHER:	0	0	0
Subtotal	0	0	0

TOTAL DIRECT COSTS	\$13,063	\$7,143	\$20,206
INDIRECT COSTS (22.58% on Total Direct Cost of salary and fringe benefits)*	\$1,446	\$1,446	\$2,892
TOTAL**	\$14,509	\$8,589	\$23,098
Cost Share Information**	63%	37%	

* Kansas' Negotiated Cost Rate (Salary + Fringe Benefits x %=Indirect Cost)

**Total and cost share change because of state budget cuts and increase in cost of supplies.